

California Weather-Hydro Conditions during October 2016

As of October 31, statewide hydrologic conditions were as follows: precipitation, 305 percent of average to date; runoff, 255 percent of average to date; and reservoir storage, 85 percent of average for the date. Sacramento River Region unimpaired runoff, for Water Year 2017, observed through October 31, 2016 was about 0.9 million acre-feet (MAF), which is about 188 percent of average. In comparison to Water Year 2016, the observed Sacramento River Region unimpaired runoff through October 31, 2015 was about 0.3 MAF, or about 63 percent of average.

On October 31, the Northern Sierra 8-Station Precipitation Index Water Year total was 12.6 inches, which is about 420 percent of the seasonal average to date and 25 percent of an average water year (50.0 inches). During October, the total precipitation for the 8-Stations was also 12.6 inches, or about 420 percent of average for the month. Last year on October 31, the Water Year 2016 seasonal total for the 8-Stations was 1.2 inches, or about 40 percent of average.

On October 31, the San Joaquin 5-Station Precipitation Index Water Year total was 6.4 inches, which is about 305 percent of the seasonal average to date and 16 percent of an average water year (40.8 inches). During October, the total precipitation for the 5-Stations was also 6.4 inches, or about 305 percent of average for the month. Last year on October 31, the Water Year 2016 seasonal total for the 5-Stations was 1.9 inches, or about 90 percent of average.

On October 31, the Tulare Basin 6-Station Precipitation Index Water Year total was 1.6 inches, which is about 133 percent of the seasonal average to date and 5 percent of an average water year (29.3 inches). During October, the total precipitation for the 6-Stations was also 1.6 inches, or about 133 percent of average for the month. Last year on October 31, the Water Year 2016 seasonal total for the 6-Stations was 1.5 inches, or about 125 percent of average.

Daily Precipitation (in inches) for Selected Stations as of 10/31/2016					
Station	Oct 1 to Date 2015 - 2016	% Average	Season to Date 2014 - 2015	% Average	% Average Oct 1 - Sep 30
Mount Shasta	11.84	517	0.52	23	27
Eureka	9.56	427	1.20	54	24
Redding	6.22	296	0.27	13	18
South Lake Tahoe	7.30	406	1.27	71	36
Sacramento Executive Airport	4.64	488	0.12	13	25
Santa Rosa (Sonoma Co AP)	5.16	254	0.07	3	14
San Francisco	2.35	210	0.00	0	10
Stockton	2.32	283	0.21	26	17
Yosemite	6.58	327	3.21	160	17
Monterey	2.82	303	0.14	15	17
Paso Robles	1.34	216	0.06	10	10
Fresno	0.67	106	0.49	78	6
Bakersfield	0.24	80	0.14	47	4
Death Valley	0.03	43	1.08	1,543	1
Los Angeles	0.51	77	0.45	68	3
Riverside	0.86	307	0.16	57	7
Palm Springs	0.07	16	0.13	30	1
San Diego	0.03	5	0.43	75	0

Key Reservoir Storage (1,000 AF) as of 10/31/2016								
Reservoir	River	Storage	Avg Storage	% Average	Capacity	% Capacity	Flood Control Encroachment	Total Space Available
Trinity Lake	Trinity	1,038	1,591	65	2,448	42	---	1,410
Shasta Lake	Sacramento	2,784	2,675	104	4,552	61	-1,086	1,768
Lake Oroville	Feather	1,563	2,128	73	3,538	44	-1,437	1,975
New Bullards Bar Res	Yuba	651	541	121	966	67	-145	315
Folsom Lake	American	361	497	73	977	37	-354	616
New Melones Res	Stanislaus	509	1,340	38	2,400	21	-1,461	1,911
Don Pedro Res	Tuolumne	1,328	1,309	101	2,030	65	-362	702
Lake McClure	Merced	381	449	85	1,025	37	-294	644
Millerton Lake	San Joaquin	210	196	107	520	40	-184	310
Pine Flat Res	Kings	188	346	54	1,000	19	-666	812
Isabella	Kern	90	164	55	568	16	-80	478
San Luis Res	(Offstream)	599	1,085	55	2,041	29	---	1,440

The latest National Weather Service Climate Prediction Center (CPC) long-range, 1-month precipitation outlook for December 2016, issued November 17, 2016, suggests average precipitation for all of California.